



North Yakima Conservation District

Applying for Cost-Sharing for Water Measuring Devices

INSTRUCTIONS

Instructions for Completing an Application Form:

- 1) Provide your name, address and phone number. Include a street address if different than the mailing address. E-mail address is optional.
- 2) Check the box that identifies the type of water right you have and include the number of your water right.
- 3) Fill in number(s) of the water right claim, permit, certificate or adjudicated certificate for the point of diversion or withdrawal. For users in the Yakima Basin Adjudication, fill in the court claim number and the name on the court claim (the number and name may be found in the Conditional Final Order for the sub-basin where the diversion is located).
- 4) Provide the name of your source of water (the name of the river, spring, or aquifer, etc., such as “Yakima River”).

Attach a copy of the claim, permit or certificate, adjudicated certificate, or court claim, if available. All users should have a copy of their water right documents kept with their property records. If you do not have a copy, obtain one for your records.

- 5) Provide a legal description of the location of the diversion or withdrawal if the water right documentation is not attached. While Township, Range, Section and Quarter/Quarter are acceptable for the application process, identifying the diversion with latitude and longitude is best. Your local Conservation District, the Natural Resources Conservation Service, meter supplier, Washington Department of Fish and Wildlife, or others may be able to help with determining latitude and longitude of diversions or withdrawals.

Attach a map showing the point of diversion or withdrawal. Using a copy of the appropriate USGS topographic map is best. If you use another map or if you provide a drawing of a map, be sure that it clearly shows the location of the diversion or withdrawal relative to surrounding features.

- 6) Provide the Water Resource Inventory Area (WRIA) number for the project. The WRIA map on page 6 of this package identifies all sixty-two (62) WRIs in the State of Washington. The sixteen (16) Fish Critical Basins are:

WRIA 1	Nooksack	WRIA 32	Walla Walla
WRIA 7	Snohomish	WRIA 35	Middle Snake
WRIA 8	Cedar/Sammish	WRIA 37	Lower Yakima
WRIA 9	Duwamish/Green	WRIA 38	Naches
WRIA 10	Puyallup/White	WRIA 39	Upper Yakima
WRIA 12	Chambers/Clover	WRIA 45	Wenatchee
WRIA 17	Quilcene/Snow	WRIA 48	Methow
WRIA 18	Elwha/Dungeness	WRIA 49	Okanogan

If you require this document in an alternate format, please contact the Water Resources Program at (360) 407-6600 or TTY (for the speech or hearing impaired) at 711 or 1-800-833-6388.

- 7) Indicate if you are requesting funds for a source meter and/or SCADA (Supervisory Control and Data Acquisition equipment). Ecology will fund 100% for the basic components of SCADA equipment (consisting of a personal digital assistant, also known as a hand-held computer, and a data-logger). Ecology will fund 60% of additional SCADA equipment.
- 8) Provide the approximate date (month/year) the metering or measuring device was or will be installed.
- 9) Indicate if you have received an *administrative metering order* from Ecology, a metering provision to an approved change application from Ecology, or a court order from the Yakima River Basin Adjudication requiring users in the Yakima Basin Adjudication to meter, or if you are volunteering to meter your diversion or withdrawal.
- 10) Indicate if you are applying for financial hardship.

The percent of cost-share can be changed in cases of financial hardship. However, the total maximum state share will remain at \$24,875. Apply for financial hardship by indicating on the form that you wish to apply for financial hardship. Submit the following additional information with the application:

- the two most recent years individual, partnership, or corporate tax returns;
- the two most recent financial statements; and
- current balance in savings and checking accounts.

Based on the information submitted, the Regional Water Resources Section Manager of Ecology or the Board of Directors of the conservation district with which you are working will determine the increase in amount of state cost share for the project based on financial hardship.

- 11) Ecology is required by law to ask about fish screens. Please indicate if you have a fish screen or not. If you do, please indicate whether it was installed before or after 1995.
- 12) Project description: Completing the questions in Section 12, "Provide a Project Description," will in most cases provide you and the conservation district or Ecology with the necessary information needed to evaluate your project and ensure that the proper type and style of meter is selected for your system. Water measurement equipment companies, staff at Ecology, and staff at the conservation districts can provide technical assistance.

Debris can plug some types of meters. Users should find out if the meter will withstand adverse conditions that may exist for particular situations, such as silty, sandy, or muddy water.

Specific items listed below are the minimum information needed to evaluate your application. Attach all engineering design or specifications to the application. Look at the specification sheets for your particular meter and make sure that a particular type and style of meter will meet your needs. For instance, most propeller-style meters require a certain amount of minimum flow to operate correctly. If your system delivers less than the minimum amount specified in the minimum flow rate specified in the meter specification sheet, the meter will not measure accurately. The same applies to the maximum flow rate.

For all projects:

- The number of acres irrigated

Pressurized pipe flow projects (*minimum and maximum flow rates and pipe diameter will affect the type and style of meter suitable for your system*):

- Maximum flow rate (the most water your system needs to deliver)
- Average flow rate (the amount of water your system delivers most of the time)
- Minimum flow rate (the least amount of water your system needs to deliver)
- Pipe diameter
- Type of meter proposed (e.g. saddle mounted propeller meter with totalizer, sonic meter with totalizer). (State regulation WAC 173-173 requires a totalizer. Instantaneous flow indicators are optional; however, instantaneous flow is part of all water rights and recording and reporting instantaneous flow is a requirement for metering and measuring.)
- Attach the specification sheet for the meter that includes Meter accuracy (State regulation requires that the meter register plus or minus 5% of the water actually passing through the meter AND the meter plus any SCADA equipment must register plus or minus 10% of the water actually passing through the meter.)
- If your meter setup requires physical protection and you are including those costs for cost-share, please describe the need and costs in an attachment to the application and identify those costs as “Other Costs” in Part 13 of the application.

Open channel flow projects:

- Maximum flow rate (the most water your system needs to deliver)
- Average flow rate (the amount of water your system delivers most of the time)
- Minimum flow rate (the least amount of water your system needs to deliver)
- Type of device proposed (e.g. ramp flume with pressure transducer, contracted weir with staff gauge, etc.)
- System designer (indicate system designer in part (b) of Section 12).
- Attach the specification sheet for the device that includes the accuracy of the measuring device (State regulation WAC 173-173 requires that open channel devices plus any SCADA equipment such as data recorders register plus or minus 10% of the water actually passing through the system.)

For automatic recording devices and data transmission equipment (attach and invoice of the materials and cost from vendor or designer):

- Type of equipment (e.g. data-logger with PDA)
- System design and specifications, including accuracy
- System designer (e.g. vendor name)

The listing “Irrigation Systems and Equipment,” “Pump Dealers” or other categories in the Yellow Pages in the phone book may help you locate businesses which sell water measuring devices.

13) Cost Estimate: The following information should be included to estimate the cost of the proposed project. Additional detailed information on each of the below cost categories can be attached to the application form. In most cases, a copy of the project bid sheet provided by the contractor or vendor who is providing and installing the measuring device will provide enough information. Bid sheets should be detailed enough for the buyer, the Conservation District, and/or Ecology to clearly and readily identify what the contractor or vendor is providing to ensure proper installation and calibration of the measuring device.

Cost of the measuring device itself

Cost of installation and calibration:

- Materials
- Labor (number of hours and hourly rate)
- Equipment rental
- Contracted services
- Ancillary equipment
- Other costs

Total Cost of the Proposed Project

Signature: Applicant or person in responsible charge shall sign and date the application. Include the position of the person signing; e.g. landowner, Irrigation District Board member, etc.

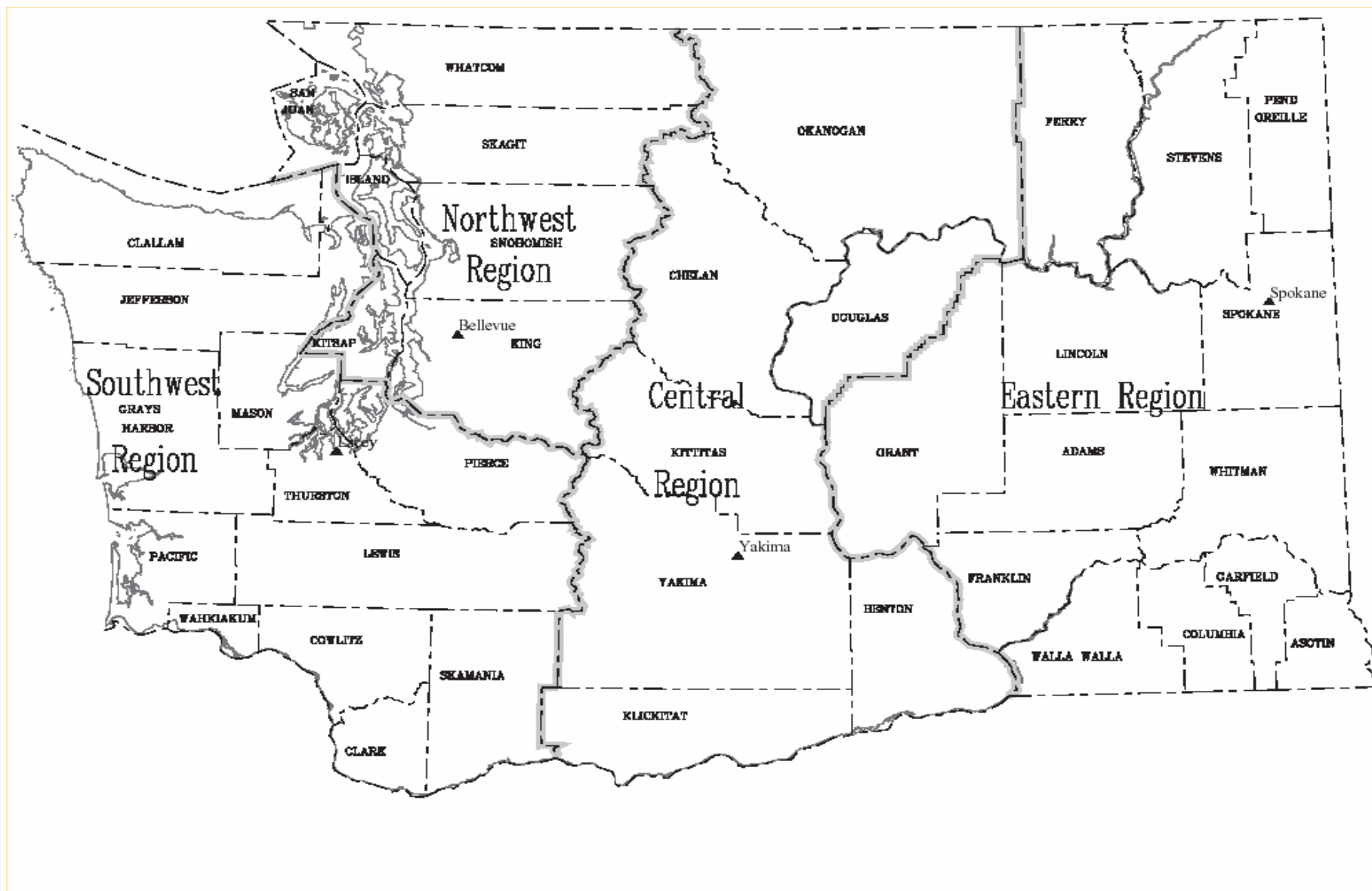
For more information, contact the staff below. Use their name and mailing address for submitting applications.

Northwest Regional Office 3190 – 160 th Ave. S.E. Bellevue, WA 98008-5452	Christy Dustrude Phone: (425) 649-7217 Email: cdus461@ecy.wa.gov
Southwest Regional Office P.O. Box 47775 Olympia, WA 98504-7775	Vicki Cline Phone: (360) 407-0278 Email: vwin461@ecy.wa.gov
Central Regional Office 15 West Yakima, Suite 200 Yakima, WA 98902-3452	Ken Schuster Phone: (509) 575-2490 Email: ksch461@ecy.wa.gov
Eastern Regional Office 4601 North Monroe Street Spokane, WA 99205-1295	Information and Receptionist Phone: (509) 329-3400

Ecology Contacts and Mailing Addresses:

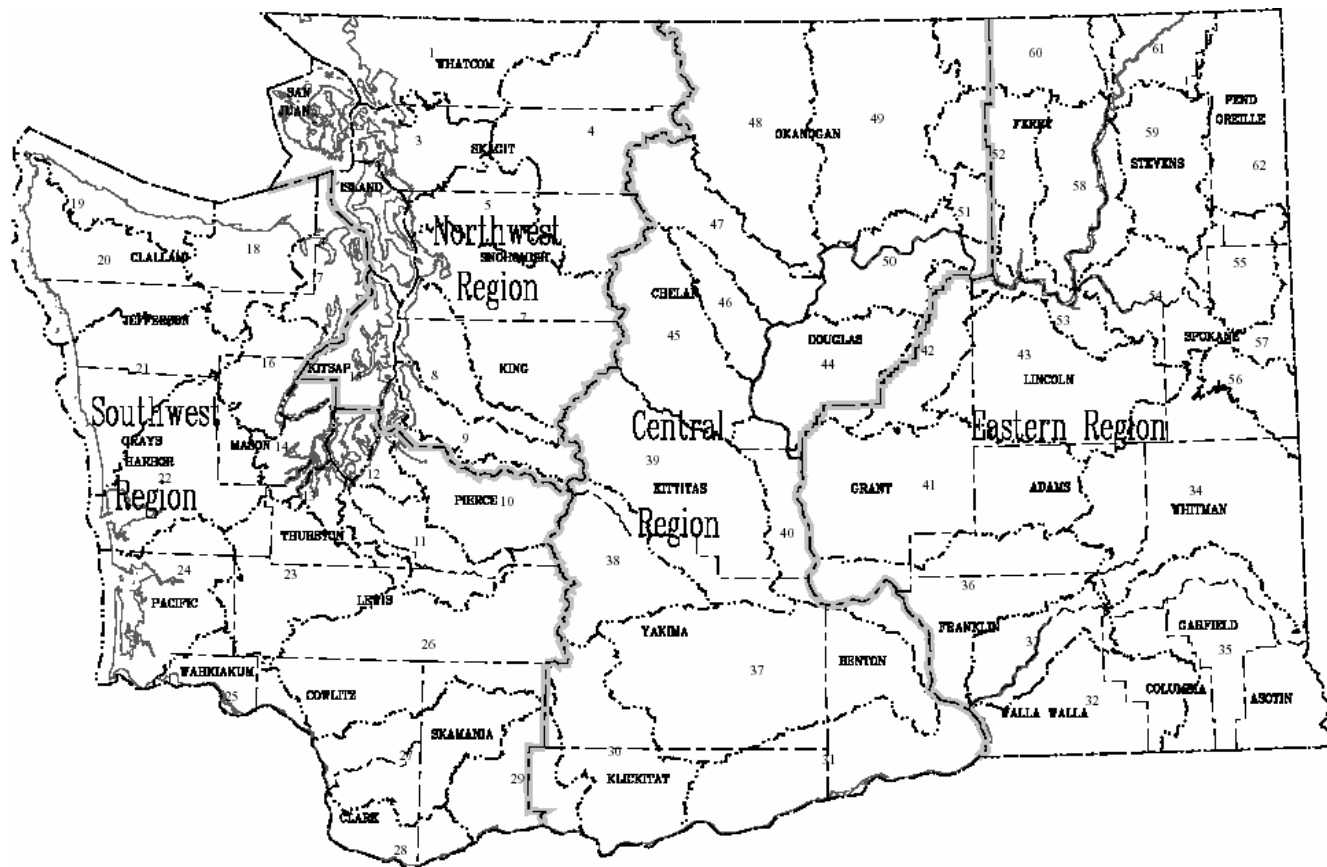
The attached Regional Map will aid you in determining the appropriate regional contact.

If you require this document in an alternate format, please contact the Water Resources Program at (360) 407-6600 or TTY (for the speech or hearing impaired) at 711 or 1-800-833-6388.



Regional Office Map

If you require this document in an alternate format, please contact the Water Resources Program at (360) 407-6600 or TTY (for the speech or hearing impaired) at 711 or 1-800-833-6388.



Water Resource Inventory Area (WRIA) Map

If you require this document in an alternate format, please contact the Water Resources Program at (360) 407-6600 or TTY (for the speech or hearing impaired) at 711 or 1-800-833-6388.

North Yakima Conservation District

Water Measuring Device Cost Share

APPLICATION

1) Applicant Name _____

Street Address _____

Mailing Address _____

City _____ State _____ Zip Code _____

Contact Person _____

Day time phone _____ E-mail _____

2) My water right is a: ☐ claim ☐ permit ☐ certificate ☐ adjudicated certificate
☐ Included in a Conditional Final Order in the Yakima Adjudication

3) The number of my water right claim, permit, certificate, adjudicated certificate, or court claim (include name on the court claim) is _____

Attach a copy of the water permit, certificate or claim, if available.

4) What is the name of your source of water? _____

5) What is the legal description of the point of diversion or withdrawal, if water right documentation is not attached?

Attach a USGS topographic map, aerial photo, hand-drawn map, etc., that clearly shows the location of the point of diversion or withdrawal and measuring device each relative to the river or stream, other surface water, township, range and section lines, roads, etc. Include township, range, and section, and quarter/quarter.

6) The project is in Water Resource Inventory Area (WRIA) Number _____

7) Are you requesting funds for a source meter? ☐ Yes ☐ No and/or SCADA? ☐ Yes ☐ No
(SCADA stands for Supervisory Control and Data Acquisition equipment.)

8) When would the device be installed? _____

9) I am applying for cost-share funding because (check the applicable box)

- a. ☐ I received an Administrative Metering Order from Ecology requiring me to meter
What is the Docket Number of the Administrative Metering Order? _____
- b. ☐ I received an approved change authorization from Ecology requiring me to meter
- c. ☐ I received a Court Order from the Yakima River Basin Adjudication requiring me to meter
- d. ☐ I am volunteering to install a meter on my ☐ diversion or ☐ withdrawal.

10) Are you applying for financial hardship? ☐ Yes ☐ No

If you require this document in an alternate format, please contact the Water Resources Program at (360) 407-6600 or TTY (for the speech or hearing impaired) at 711 or 1-800-833-6388.

- 11) Does your surface water diversion have a fish screen? ☐ Yes ☐ No
If Yes, was it installed: ☐ Before 1995 ☐ After 1995 or ☐ Don't know

12) Provide a project description.

(Include all appropriate information from instructions; e.g. flow rates, type of device, plans and specifications if available).

- a. Number of acres irrigated: _____
- b. My system is: ☐ a pressurized pipe flow system (pumped) or ☐ open channel system (canal)
- c. What is the size of the pipe delivering water to your system? _____
- d. I plan to put in a _____, _____, _____, _____
(type of meter) (size of meter) (make of meter) (model of meter)
- e. The meter will show the instantaneous rate (Qi) in ☐ cubic feet/second or ☐ in gallons/minute
- f. The meter will totalize (Qa) in: ☐ acre-feet (totalizing in acre-feet is best),
☐ thousands of gallons(next best choice),
☐ hundreds of gallons (if only choice),
☐ tens of gallons (if only choice),
☐ gallons (last choice).
- g. The minimum flow my system has to deliver is _____
(cubic feet/second, or gallons/minute)
- h. The average flow my system has to deliver is _____
(cubic feet/second, or gallons/minute)
- i. The maximum flow my system has to deliver is _____
(cubic feet/second, or gallons/minute)
- j. For pressurized systems, attach the manufacturer's specification sheet for the meter.

13) Provide costs for the measuring devices (contractors bid sheets are acceptable):

	Cost
Measuring device	_____
Electronic equipment such as data-logger and other ancillary equipment	_____
Installation costs Labor (hours _____ rate _____)	_____
Equipment Rental	_____
Contracted Services	_____
Other Costs (attach details)	_____
Total Project Cost	_____

I certify that the information above is true and accurate to the best of my knowledge.

Applicant signature	Position	Date
---------------------	----------	------

If you require this document in an alternate format, please contact the Water Resources Program at (360) 407-6600 or TTY (for the speech or hearing impaired) at 711 or 1-800-833-6388.